

In the Specification:

Please amend the specification as follows:

Page 6, first paragraph:

Figure. 1 shows that the method comprises a step of attaching 1 a safety-hardware unit 11 (shown in FIG. 2) to the Controller 10. The safety-hardware unit 11 communicates with the Controller's CPU. The safety-hardware unit 11 may be in the form of a circuit board and typically comprises a CPU and may also comprise an Input/Output (I/O) interface. Such an I/O interface may comprise a set of memory chips and a Field Programmable Gate Array (FPGA). The Safety-Hardware Unit may also comprise local I/O channels such as Digital Output (DO) in order to provide forced output signals, for instance, to an external alarm system. Further, the Safety-Hardware Unit may include functionality for memory shadowing. One alternative name for the safety-hardware unit 11 is a safety module. The safety-hardware unit 11 comprises communication means 16 to communicate with the Controller's CPU via a bus 14. The safety-hardware unit 11 may be connected via a back-plane to the Controller 10. In an alternative embodiment, the safety-hardware unit 11 is a plug-able unit added to the main circuit board of the Controller 10, comprising the main CPU of the Controller 10.